# TECHNOLOGY EDUCATION PROGRAM



# **STANDARDS**

# and

# **QUALITY INDICATORS**

SCHOOL
DATE
TECHNOLOGY EDUCATION INSTRUCTOR(S)

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#### INTRODUCTION

This questionnaire was developed to assist in reviewing and improving the instructional process of technology education programs. It is designed to be used by the local teacher in conducting a comprehensive self-evaluation and/or by an external evaluation team. The questionnaire is divided into ten sections corresponding to the twelve standards for review of technology education programs.

Each standard is followed by a series of questions or quality indicators, which further define or measure the standard. Shaded areas identify some questions and these must be met in order to meet the standard. The sum total ranking will serve as a ranking for the standard. The ranking of each standard and corresponding narrative will be recorded and reported in the final evaluation report.

#### **DEFINITIONS:**

Standard - A descriptive statement established and used as a model of quantitative characteristics for the development, operation, and assessment of programs.

Quality Indicator - A question that is used to further define or measure the standard.

#### **DIRECTIONS:**

Reviewers using this instrument should strive to rate the quality indicators for each program in relationship to the standard.

To complete the questionnaire, carefully read each standard and the quality indicators, which follow. For each question that is shaded, the evaluator should indicate if the quality indicator is met or not met by an X in the appropriate box. Placing an X for the appropriate rating in the column on the right assesses all other quality indicators. The numbers on the rating scale indicate the following:



- 3 = Quality Indicator Met but May Needs Improvement
- 2 = Needs Improvement to Meet Quality Indicator
- ① = Quality Indicator not Addressed

A checklist of evidence is provided to assist the evaluator by placing a X in the appropriate box(s). It is not necessary to produce every evidence item in order to meet the quality indicator, however, each evidence list essential items are **bold** text for identification.



# TECHNOLOGY EDUCATION PROGRAM STANDARDS and QUALITY INDICATORS

STANDARD 1	Curriculum Planning, Organization, and Content
STANDARD 2	<b>Instructional Materials</b>
STANDARD 3	<b>Instructional Personnel</b>
STANDARD 4	Program Enrollment
STANDARD 5	Career and Technical Student Organization
STANDARD 6	<b>Instructional Facilities and Equipment</b>
STANDARD 7	Safety Education and Practices
STANDARD 8	<b>Community Support and Involvement</b>
STANDARD 9	Program Management and Planning

#### STANDARD ONE

#### **Curriculum Planning, Organization and Content**

Standard No. 1 - A written curriculum for all technology education courses has been developed with input from the community, students, and administration and includes the identification of specific goals, objectives, and leadership instruction.

Rationale: The instructional program should be designed to develop knowledge and skills that are essential for success in meeting the career objectives of students and promoting technological literacy. There should be evidence that each instructional unit has been properly planned and organized and is being implemented in a sequential manner. The TE program should implement a grading system, which is based upon identified criteria.

The courses of study for the TE program shall include technological literacy as well as what students should know and be able to do, which will serve to guide the program toward desirable learning outcomes. The courses of study shall be integrated and organized in such a manner as to produce a well-balanced program of instruction.

1 = Not Addressed

2 = Needs Improvement

4 = Exceeds Expectation

#### **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

TO WHAT EXTENT:		
A is instruction directed toward appropriate and clearly formulated		MET
objectives with input from the community, indus	try, and local administration?	☐ NOT MET
Evidence:	Comments:	
Local Curriculum cross-referenced with		
Show-Me Standards and National		
Standards for TE for each course		
Course Competencies		
Advisory Committee Minutes		
Program Philosophy and Objectives		
Interest Survey of Future Students		
Other		
B does the technology education course(s)	function with a proper	MET
balance between 1) classroom and laborator	y instruction?	☐ NOT MET
Evidence:	Comments:	
Teaching Calendar		
Course Competencies		
Instructional Strategies		
Student Record books		
Student Portfolios		
Other		
ALL QUALITY INDICATORS THAT ARE SHADED M	UST BE MET IN ORDER TO MEET THE ST	'ANDARD!

# STANDARD ONE

Other

# Curriculum Planning, Organization and Content (Continued)

		1 = Not Addressed 2 = Needs Improve	
QUALITY I	NDICATORS	3 = Indicator Met	Needs Some Improvement
		4 = Exceeds Expe	ctation
TO WHAT EXTENT:			
C does instructional planning and organizat		ıate	1 2 3 4
opportunities for exploratory experiences in varie	ous careers?		
Evidence:	Comments:		
Teaching Calendar			
Course Competencies			
☐ Instructional Strategies aligned with			
standards			
Student Portfolios			
Other			
D are the objectives, teaching calendars, ar	d course offering	s for the	1 2 3 4
instructional program specified in writing?			
Evidence:	Comments:		
☐ Course Descriptions			
☐ Program of Study			
☐ Teaching Calendars			
☐ Instructional Strategies aligned with			
standards			
☐ Course Competencies			
☐ Instructional Management System (IMS)			
Other			
E are related academics incorporated into t	he instructional c	ontent?	1 2 3 4
•			
Evidence:	Comments:		·
Locally-adapted Curriculum Crosswalk			
Of Show-Me Standards & National			
Standards			
Lesson Plans and Objectives			

# **STANDARD ONE**

# Curriculum Planning, Organization and Content (Continued)

1 = Not Addressed 2 = Needs Improvement

**QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement 4 = Exceeds Expectation

TO WHAT EXTENT:		
F is there evidence of a written grading system/policy for measurement 1 2 3 4		
of student achievement, which includes a balan		
laboratory instruction.		
Evidence:	Comments:	
☐ Written Grading System/Policy		
Record book Grading Grid		
Course Syllabus		
Other		
G are students and parents informed in w		
frequently informed of the student's level of su	ccess?	
Evidence:	Comments:	
Sample Of Student Information		
Course integration & application of		
knowledge		
Course Outlines		
Schedule of Progress reports to parents		
U Other		
H are written articulation agreements dev	· · · ·	
updated with Career and Technical Center/post		
Evidence:	Comments:	
Written Articulation Agreements		
(Documentation of attempted articulation		
agreements – two way communication)		
Other		
Sum the ratings in the preceding columns	Total Points	
To most Standard One Quality Indicator's A a	nd B. must be met and the Total Points must equal	
or exceed 18 points.	nd B. must be met and the Total Forms must equal	
of exceed to points.		
Was Quality Indicator A met?	Yes No	

# **STANDARD TWO Instructional Materials**

Standard No. 2 - The technology education program has the instructional materials necessary to implement and deliver the *Technological Literacy* curriculum and to adapt to the needs of students.

The definition of *Technological Literacy*: is the ability to use, manage, understand, and assess technology. Technology Education is the study of technology, which provides an opportunity for students to learn about the processes and knowledge related to Technology, Innovation, Design and Engineering that are needed to solve problems and extend human capabilities. Technology Education is taught seamlessly from Kindergarten through 12<sup>th</sup> grade.

Rationale: The availability and proper utilization of instructional materials is considered essential to conducting quality instruction. Schools offering technology education programs shall ensure adequate amounts of such materials including process equipment, instructional technology, computer technology, reference texts, and competency assessments utilized and available. Technology Education instructors shall utilize a variety of instructional materials and methods to meet student needs and the goals and objectives of the program. The *Technological Literacy Standards* are to guide the Technology Education Program and its course development in order to provide focus on what the student needs to know and be able to do to help our state and nation maintain and sustain economic progress.

1 = Not Addressed

2 = Needs Improvement

**QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

10 WIRT EXTENT.			
A are a variety of appropriate instructional materials and equipment available and utilized?		☐ MET ☐ NOT MET	
Evidence:	Comments:		
☐ Inventory of Equipment cross-walked to			
objectives			
☐ Instructional Strategies			
Internet Access			
Budget (Related to Program			
Evaluation/Improvements)			
Other			
B are methods of teaching adapted to meet	the diverse learning needs of	☐ MET	
students?		NOT MET	
Evidence:	Comments:		
☐ Curriculum Integration Lesson Plans			
☐ Instructional Strategies (Illustrating			
revisions based on learner needs).			
☐ Students' Content Evaluations			
☐ IEP Development			
Other			

1 = Not Addressed

2 = Needs Improvement

**QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement 4 = Exceeds Expectation

10 WHAT EATENT.		
C are instructional approaches utilized to teach students how to acquire		☐ MET
understanding and the ability to recognize/solve	problems, and to make	☐ NOT MET
technologically literate decisions?		
Evidence:	Comments:	
☐ Instructional Strategies indicating		
alignment with State and National		
Standards		
Student Process Descriptions		
Student Notebooks/Portfolios		
Technology Activities/Projects		
Students' Course Evaluations		
Employer Satisfaction Survey		
Other		
D does the local program have access to a	variety of up-to-date	MET
reference materials and instructional delivery tec	• •	NOT MET
Evidence:	Comments:	
	Comments.	
Budget (Related to Program		
Evaluation/Improvements)		
Inventory		
FV-4 Request for TE GAP		
Evaluator Observation		
Internet Access		
Other		<u> </u>
E is the curriculum enriched by utilizing re	elated community resources?	MET
		☐ NOT MET
Evidence:	Comments:	
Teaching Calendar		
Guest Speakers		
Field Trips		
Other		
F does each student have an opportunity to	complete a job application	☐ MET
or career search as part of the instructional progr	am?	☐ NOT MET
Evidence:	Comments:	
☐ Teaching Calendars		
TSA Program of Activities		
Current career search documentation		
Student Résumés		
Guidance/Placement documentation		
Other		

#### STANDARD TWO

**Instructional Materials** (Continued)

1 = Not Address
-----------------

#### 2 = Needs Improvement

**QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement 4 = Exceeds Expectation

G does the instructor work cooperatively v	☐ MET	
provide activities such as decision-making, disse	mination of career	☐ NOT MET
information, scholarships, etc.?		
Evidence:	Comments:	
☐ Teaching Calendars		
☐ Guidance Calendar Of Activities		
☐ Counselor Interviews		
☐ Career Fair		
Other		
H does the Technology Education Program	inform adults in the local	1 2 3 4
community about technological Topics? (minim	um of 4 to check 3 pts)	
Evidence:	Comments:	
Newspaper Articles		
TSA Officer Programs		
TSA Alumni Programs		
☐ TSA Flyers		
Web Sites		
Open House		
School Tours		
Community Presentations		
Other		
I do the Technology Education teachers p	rovide leadership for	1 2 3 4
integrating technology concepts into other subject		
(minimum of 4 to check 3 pts)		
Evidence:	Comments:	
Lesson Plans		
☐ Video Tapes		
Students Assignments		
Curriculum committee membership		
Teacher In-service Activities		
Documentation		
Other		

# STANDARD TWO

# **Instructional Materials** (Continued)

Sum the ratings in the preceding columns	Total Po	ints
To meet Standard Two, Quality Indicator A must be met and the Total Poin exceed 6 points and Quality Indicator's A, B, C, D, E, F, and G must be me	1	
Was Quality Indicator A met?	Yes	No
Was Quality Indicator B met?		
Was Quality Indicator C met?	Yes	No
Was Quality Indicator D met?		No
Was Quality Indicator E met?		No
Was Quality Indicator F met?		
Was Quality Indicator G met?		No

#### STANDARD THREE

#### **Instructional Personnel**

Standard No. 3 – Each instructor is certified, and each participates in professional development activities.

Rationale: Selecting, developing, and retaining an instructional staff, which is competent to meet the needs of technology education, is of utmost importance to the success of the teaching program. Realizing that technology education instruction is unique in education, all instructors shall have an adequate education experience, which will enable them to relate their instruction to business or industrial methodology. As evidence of proper preparation, each technology education instructor shall meet or exceed state certification requirements and will hold a current teaching certificate appropriate to the subject area taught. In addition to these minimums, all technology education instructors should continuously strive to improve their skills and knowledge by upgrading certification and by attending professional improvement meetings, state conferences, and national conferences.

1 = Not Addressed

#### 2 = Needs Improvement

**QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

TO WHAT EXTENT:		
A is each instructor certified to teach technology education and/or pre-		☐ MET
engineering?		☐ NOT MET
Evidence:	Comments:	
Teaching Contract		
Teaching Certificate		
Praxis II Score/document		
Core Data Report		
Other		
B does the instructor attend summer confe	rences, conventions, college	<u></u> MET
courses and other professional development activ	vities for technology	☐ NOT MET
education? (minimum of 3 to check MET)		
Evidence:	Comments:	
Copy of Undergraduate Transcript (for		
temporary authorization certification of		
license to teach)		
Copy of Professional Development Plan		
Conference Programs and session handouts		
Other		
ALL QUALITY INDICATORS THAT ARE SHADED MUST BE MET IN ORDER TO MEET THE STANDARD!		

# STANDARD THREE

**Instructional Personnel** (Continued)

	1 = Not Addressed 2 = Needs Improvement
<b>QUALITY INDICATORS</b>	3 = Indicator Met Needs Some Improvemen 4 = Exceeds Expectation

10 WHAT EXTENT:	
C has each instructor continued his/her pro college credit courses, attendance at workshops, service? (minimum of 2 to check MET)	
Evidence:	Comments:
College Transcript	
Professional Development Request to	
Administration	
Graduate courses for credit	
Other	
D has each instructor continued his/her pro	• • • • • •
attending professional development meetings, co	·
related to technology education? (minimum of 6	to check MET)
Evidence:	Comments:
Professional Development Log	
Attended Professional Activities:	
State TSA Leadership Conference	
State TSA Conference	
National TSA Conference	
Missouri ACTE/TEAM Conference	
National ACTE Conference	
National ITEA Conference	
Area TEAM Meetings/Workshops	
Area, District, and/or State TEAM	
Committees and/or Offices	
Personal Portfolio	
Other  ALL QUALITY INDICATORS THAT ARE SHADED MUST BE MET	IN ORDER TO MEET THE STANDARD
ALL QUALITY INDICATORS THAT ARE SHADED MUST BE MET	IN ORDER TO MEET THE STANDARD!
To meet Standard Three, Quality Indicator's A, I	3, C, & D must be met.
Was Quality Indicator A met?	Yes No
Was Quality Indicator B met?	
Was Quality Indicator C met?	
Was Quality Indicator D met?	<u> </u>

#### STANDARD FOUR

#### **Program Enrollment**

Standard No. 4 – All students will have the opportunity to enroll in a technology education course.

Rationale: Program enrollment will vary with each course, contingent upon the make-up of students to be served, the specific content to be taught, the size of the facility, and the method of instruction to be used.

1 = Not Addressed

2 = Needs Improvement

**QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

TO WHAT EXTENT:	4 = Exceeds Expectation	
A does student enrollment in the technology education program reflect the gender, academic achievement, socioeconomic, and ethnicity make-up of the school? (minimum of 3 to check MET)		
Evidence:  Class Enrollment School Demographics Community Demographics School Core Data Report Other  ALL QUALITY INDICATORS THAT ARE SHADED M	Comments:	
B are student interest assessments, community needs, post secondary articulation, and national standards utilized to guide curriculum and career planning?		
Evidence:  Guidance Needs Assessment Student Interest Survey Career Search documentation Advisory Council Meeting Minutes or committee work Other	Comments:	
C does the instructor collaborate with counselors and administrators in scheduling classes to avoid conflicts with other courses needed to meet graduation/college entrance requirements? (minimum of 2 to check 3 pts)		
Evidence:  Master Class Schedule  Meeting Minutes/Notes  Communication memos/letters  Other	Comments:	

# STANDARD FOUR

**Program Enrollment** (Continued)

1 = Not Addressed 2 = Needs Improvement

# **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

D is a recruitment and retention plan imple	1 2 3 4		
clear understanding of the purpose and benefits of	of a Technology Education		
course?			
Evidence:	Comments:		
Course Descriptions			
Student Recruitment Materials			
Counselor Information Provided to the			
Students			
Other			
E does the instructor communicate with special needs personnel to understand and implement the specific needs of enrolled special needs students? (minimum of 2 to check 3 pts)			
Evidence:	Comments:		
List of Special Needs Students Enrolled			
☐ IEP Conferences Attended			
☐ Meetings with Special Needs			
department/notes/minutes			
Other			
Sum the ratings in the preceding columns  To meet Standard Four, Quality Indicator A mus exceed 12 points.		Total Points nust equal or	
Was Quality Indicator A met?	Yes.	No	

#### STANDARD FIVE

#### **Career and Technical Student Organization**

Standard No. 5 – Student leadership development activities are integrated into the technology education program and are supervised by the local technology education instructor(s).

Rationale: Employers consistently rate student leadership development as an essential skill. Each student shall be afforded the opportunity to become an active member of an appropriate Career and Technical Student Organization for students enrolled in Technology Education, which is known as the "Technology Student Association" or TSA. Note that all Career Education Program areas have a content specific CTSO such as: Agriculture Education – FFA, Business Education – FBLA, Family and Consumer Sciences – FCCLA, Marketing and Cooperative Education – DECA, and the Trade & Industrial/Health Sciences – SkillsUSA-VICA.

> 1 = Not Addressed 2 = Needs Improvement

#### **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

- 4 = Exceeds Expectation

TO WHAT EXTENT:			
A is TSA an integral part of the instruction	al program?		
Evidence:  Teaching Calendars for Classes Offered	Comments:		
TSA Program of Activities			
☐ TSA Membership Roster☐ Other			
B are all students who are enrolled in the T			
the opportunity to participate in the leadership de	evelopment activities? NOT MET		
Evidence:	Comments:		
☐ Student Handbook/Course Description			
includes TSA			
☐ Tech. Ed. Department Philosophy &			
Objectives includes TSA			
☐ Local, State, and National TSA activities			
Other			
C is the local TSA chapter in good standing	g with the state and national MET		
organizations?	□NOT MET		
Evidence:	Comments:		
☐ Current Membership Roster from			
State/National TSA			
Approved current TSA charter on			
display			
Other			
ALL QUALITY INDICATORS THAT ARE SHADED M	LIST RE MET IN ORDER TO MEET THE STANDARD!		

# STANDARD FIVE

**Career and Technical Student Organization** (Continued)

QUALITY I	INDICATORS		ement Needs Some Improvement
TO WHAT EXTENT:		4 = Exceeds Expe	ctation
D has the technology education program in membership in the TSA Chapter?	creased its annual	1	1 2 3 4
Evidence:	Comments:		
☐ TSA Rosters for the past 3 years ☐ Other			
E has the Chapter implemented the TSA Passigned committees?	rogram of Activiti	es with	1 2 3 4
Evidence:	Comments:		
☐ TSA Program of Activities ☐ TSA Participation Record ☐ TSA Secretary's Book ☐ TSA Committee Roster ☐ Other			
F is each TSA Chapter member provided t participate in a local, state, and national leadersh conference?	**		1 2 3 4
Evidence:	Comments:		
<ul> <li>☐ TSA Participation Record</li> <li>☐ Local Expo Event</li> <li>☐ State Leadership Conference</li> <li>☐ National Leadership Conference</li> <li>☐ Other</li> </ul>			
G does the TSA Chapter hold an annual barecognition of students with parents, school office being invited?		_	1 2 3 4
Evidence:  TSA Program of Activities TSA Banquet and Awards Program TSA LCDP Awards (Leadership	Comments:		

**NOTE:** (See Standard 8.G for reporting <u>Community Service Projects</u>)

Connections Degree Program)

Other

# STANDARD FIVE

Career and Technical Student Organization (Continued)

1 = Not Addressed

 $2 = Needs \ Improvement$ 

# **QUALITY INDICATORS**

3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

TO	WH	$\mathbf{AT}$	EX	ΓEN	Т	:
----	----	---------------	----	-----	---	---

H does the TSA Chapter utilize people within the community for their		1 2 3 4
local activities? (minimum of 3 to check 3 pts)	ocal activities? (minimum of 3 to check 3 pts)	
Evidence:	Comments:	
TSA Alumni		
TSA Meeting Minutes		
Advisory Committee work		
Parent Groups		
Program of Activities		
Community Service		
Other		
Ido chapter members have the opportunity	y to participate in a minimum	1 2 3 4
of five TSA activities above the local level?		
Evidence:	Comments:	
☐ TSA Program of Activities		
Annual Report of Tech. Ed. Department		
Other		
J are chapter meetings held monthly with	members conducting the	1 2 3 4
proceedings? (minimum of 3 to check 3 pts)	_	
Evidence:	Comments:	
<b>☐</b> TSA Program of Activities		
TSA Secretary's Book		
Tech. Ed. Program Activity Calendar		
Current and active files of TSA Minutes		
(TE-4)		
Other		
Sum the ratings in the preceding columns		Total Points
To meet Standard Five, Quality Indicator's A, B	and C must be met and the Tot	al Points must
equal or exceed 21 points.		
•		
Was Quality Indicator A met?	Yes	No
Was Quality Indicator B met?		No
Was Quality Indicator C met?	Yes	No



#### STANDARD SIX

## **Instructional Facilities and Equipment**

Standard No. 6 - Clean, attractive, and safe facilities and equipment are provided to support the curriculum and meet the needs of students.

Rationale: Physical facilities for technology education programs set an expectation for students' attitude and performance. Adequate space and equipment in instructional and non-instructional areas, and offices will provide for safe and orderly instruction.

1 = Not Addressed

2 = Needs Improvement

#### **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

TO WHAT EXTENT:				
ALL QUALITY INDICATORS THAT ARE SHADED M	UST BE MET IN ORDER T	O MEET THE ST	'ANDARD!	
A is the size of the facility adequate for the	A is the size of the facility adequate for the number of students, to			
assure safe, quality education in relation to the pr	rogram's objectives	?	☐ NOT MET	
Evidence:	Comments:			
☐ Safe Facilities Program Review				
See the Missouri Public Schools Safe Facilities C	Guide (MPSSEG) lo	ocated on the	weh at	
http://dese.mo.gov/divcareered/Resources/school	,		web ut.	
B is the technology education program incl			MET	
accessibility study for ADA?			NOT MET	
Evidence:	Comments:			
☐ District Accessibility Study				
C is a complete inventory maintained on al	l equipment and au	dited	MET	
annually?			NOT MET	
Evidence:	Comments			
Department Inventory				
Floor Plan of Facilities				
D is there locker/storage space available to	each student for la	b clothes,	MET	
supplies, etc.?			☐ NOT MET	
Evidence:	Comments:			
<b>Evaluator Observation</b>				
	1	= Not Addressed		
		2 = Needs Improve	ement	
QUALITY 1			Needs Some Improvement	
4 = Exceeds Expectation				
TO WHAT EXTENT:				
E are the instructional facilities attractive, properly maintained, and				
arranged to provide a conducive learning environment for all students?				
Evidence:	Comments:			
Evaluator Observation				
Refore and After Photos of Improvements	i			

# STANDARD SIX

# **Instructional Facilities and Equipment** (Continued)

F have funds been provided for the purchase of equipment and		1 2 3 4
consumable supplies?		
Evidence:	Comments	
☐ Department Budget		
FV-4 for TE GAP (Equipment Only)		
Inventory		
G is the equipment being utilized, adequate	te and up-to-date?	1 2 3 4
Evidence:	Comments	
Department Inventory		
☐ Evaluator Observation		
FV-4 for TE GAP		
Sum the ratings in the preceding columns		
Was Quality Indicator A met?	Yes	No
Was Quality Indicator B met?	Yes	No
Was Quality Indicator C met?	Yes	No
Was Quality Indicator D met?	Yes	No

#### STANDARD SEVEN

#### **Safety Education and Practices**

Standard No. 7 - Safety is incorporated into all phases of the technology education program.

Rationale: Due to the nature of technology education and related careers, student safety and safety instruction are considered essential to quality program operations. The Occupational Safety and Health Administration (OSHA) standards shall be used to guide the implementation and maintenance of environmental health and safety features as well as the Missouri Public Schools Safe Facilities Guide (MPSSFG) which is available on-line at:

( http://dese.mo.gov/divcareered/Resources/school facilities guide/index.html ).

1 = Not Addressed

2 = Needs Improvement

# **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

10 ((11111 1111111111111111111111111111		
ALL QUALITY INDICATORS THAT ARE SHADED M	UST BE MET IN ORDER TO MEET THE ST	'ANDARD!
A is safety being taught as a comprehensive part of the instructional		1 2 3 4
program?		
Evidence:	Comments:	
☐ Teaching Calendar		
☐ Completed General Specialized		
<b>Technology Education Classroom</b>		
Checklist (MPSSFG)		
☐ Safety Signs posted at each Machine		
General Safety Rules Posted		
☐ Student Safety Tests and Records on File		
☐ Instructor remains in the lab when		
equipment is in use		
B is there a comprehensive safety program	maintained which provides	1 2 3 4
safety instruction, record keeping, and safety test	ts for the lab(s)?	
Evidence:	Comments:	
Safety Instructional Curriculum		
☐ Individual Student Files		
Safety Tests on File		
Safety Records on File		
C has a safety inspection of the facility bee	en conducted using the	1 2 3 4
Technology Education Safety Checklist?		
See the Missouri Public Schools Safe Facilities	Guide (MPSSFG) located on t	he web at:
http://dese.mo.gov/divcareered/Resources/scho	ool_facilities_guide/index.html	
Evidence:	Comments:	
Completed Safety Checklist		
☐ District Insurance Carrier's Annual		
Report		
First Aid Kit		

# STANDARD SEVEN

**Safety Education and Practices** (Continued)

1 = Not Addressed 2 = Needs Improvement

# **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

D has deficient equipment been placed out of service and labeled 1 2 3 4			
appropriately, and timelines established to correct	et deficiencies?		
Evidence:	Comments:		
<b>☐</b> Deficiencies Corrections Report			
Completed Safety Checklist			
<b>Evaluator Observations</b>			
Lock-Out Tag-Out for Equipment not in			
use			
E are all individuals in the lab required to	wear safety glasses at all	1 2 3 4	
times? (Missouri Revised Statutes, chapter 170,	Sections 170.005, 170.007,		
and 170.009)			
Evidence:	Comments:		
☐ Safety Glasses			
Lesson Plans			
Safety Glass Storage with Sterilization			
(optional if students purchase individually)			
Student Interviews			
Observation			
F is there a clean-up wash basin, fire exting	guisher, fire blanket,	1 2 3 4	
adequate ventilation, eye wash station, stationary	equipment rules posted,		
marked safety zones, appropriate machine guard	s in place and lighted exit		
signs?			
Evidence:	Comments:		
Safety Check List			
Evaluator Observation			
G is adequate and appropriate storage prov	ided for hazardous materials?	1 2 3 4	
Evidence:	Comments:		
Safety Checklist			
Approved Hazardous/Flammable			
Materials Cabinet or Room			
Materials Inventory/Records			
Sum the ratings in the preceding columns			
To meet Standard Seven, Quality Indicator's Total Points must equal or exceed 21 points			

#### STANDARD EIGHT

#### **Community Support and Involvement**

Standard No. 8 – Community support and involvement are facilitated through a comprehensive program targeted to all program stakeholders.

Rationale: Partnerships are essential in developing and maintaining a quality technology education program. The success of any program is based upon community support and involvement. Utilizing available resources to inform the community of the mission, activities, course content, and goals of the program in promoting student and program success develops this input.

1 = Not Addressed

2 = Needs Improvement

# **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

TO WHAT EXTENT:		ctation
		☐ MET ☐ NOT MET
Evidence:	Comments:	
☐ TSA Program of Activities ☐ TSA Chapter Portfolio ☐ News Articles ☐ Other		
ALL QUALITY INDICATORS THAT ARE SHADED MUST		
B does each instructor participate in communiorganizations, Chamber of Commerce, etc.)?	ty activities (e.g., civic	
Evidence:	Comments:	
☐ List of Organizational Memberships☐ Other		
C is the administration kept adequately informed of program and teacher activities? (minimum of 3 to check 3 pts)		1 2 3 4
Evidence:	Comments:	
Annual Program Report was shared with:  Administrator School Board Advisory Committee Copy of Correspondence/Newsletter to Administrator		

# STANDARD EIGHT

**Community Support and Involvement** (Continued)

1 = Not Addressed 2 = Needs Improvement

# **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

TO WHAT EXTENT:		
D does each instructor ensure that counselors and administrators are familiar with the goals, objectives, activities, prerequisites, etc., of the technology education program? (minimum of 3 to check 3 pts)		1 2 3 4
Evidence:	Comments:	
Record of Meetings with Counselor/		
Administrator		
☐ Interview with Counselor		
☐ Interview with Administrator		
Other		
E is an annual school service/development pro	ject completed?	1 2 3 4
(minimum of 3 to check 3 pts)		
Evidence:	Comments:	
TSA Week Activities		
☐ TSA Program of Activities		
TSA Scrapbook		
TSA Alumni		
Other		
F is an annual community service/development	nt project completed?	1 2 3 4
(minimum of 2 to check 3 pts)		
Evidence:	Comments:	
☐ TSA Week Activities		
☐ TSA Program of Activities		
☐ TSA Chapter portfolio		
Other		

# STANDARD EIGHT

# **Community Support and Involvement** (Continued)

1 = Not Addressed
2 = Needs Improvement

QUALITY INDICATORS
3 = Indicator Met Needs Some Improvement
4 = Exceeds Expectation

	4 - Exceeds Exped	Liation
TO WHAT EXTENT:		
G is the community used as a resource? (mini	mum of 2 to check 3 pts)	1 2 3 4
Evidence:	Comments:	
Field Trips		
Capstone completion		
Guest Speakers		
Financial Support for Scholarships		
☐ Fund-raising Activities		
Other		
Sum the ratings in the preceding columns		Total Points nust equal or
Was Quality Indicator A met?	Yes.	No

#### STANDARD NINE

#### **Program Management and Planning**

Standard No. 9 - Input from students, parents, staff members and community representatives is used to develop and implement the technology education program's goals and objectives.

Rationale: Effective input from business, industry, other organizations and individuals to ensure that technology education is relevant to the needs of students.

Each technology education program should actively strive to engage community involvement and to foster a greater understanding of the program's needs and accomplishments.

1 = Not Addressed

2 = Needs Improvement

# **QUALITY INDICATORS** 3 = Indicator Met Needs Some Improvement

4 = Exceeds Expectation

TO WHAT EXTENT:		
A is the instructional program annually eva		
the students and the community?	□ NOT MET	
Evidence:	Comments:	
Evaluation Plan		
Student Evaluation of Program		
Advisory Committee Report		
Other		
B is an annual program report completed a	and submitted to	
administrators, school board, and advisory comm	nittee? NOT MET	
Evidence:	Comments:	
Copy of Completed Program Report		
Minutes/Agenda of Board Meeting		
<b>☐</b> Minutes of Advisory Committee Meeting		
Other		
C does the technology education program l	have a formal advisory	
committee?	□ NOT MET	
Evidence:	Comments:	
Advisory Committee Membership List		
Other		
D does the program advisory committee me	eet regularly (minimum of MET	
once per year) and maintain records of each mee	ting? NOT MET	
Evidence:	Comments:	
☐ Advisory Committee Minutes		
Other		
ALL QUALITY INDICATORS THAT ARE SHADED M	UST BE MET IN ORDER TO MEET THE STANDARD!	

#### **STANDARD NINE**

**Program Management and Planning (Continued)** 

OUALITY I	INDICATORS	1 = Not Addressed 2 = Needs Improve 3 = Indicator Met	
TO WHAT EXTENT:		4 = Exceeds Expe	
E are advisory committee recommendation program activities, long-range goals, and the Common Improvement Plans (CSIP)?			1 2 3 4
Evidence:  Advisory Committee Minutes Annual Program Evaluations Program Changes/Implementation CSIP Other	Comments:		
F is the program advisory committee repreducation populations being served by the program		chnology	1 2 3 4
Evidence:  Advisory Committee Membership List Community/County Profiles 5-year Placement Record Other	Comments:		
G does the program align or articulate with career and technical education programs?	academic course	s and other	1 2 3 4
Evidence:  Curriculum Documentation Articulation Agreements Other	Comments:		
Sum the ratings in the preceding columns			Total Points
To meet Standard Nine, Quality Indicator's A, B equal or exceed 9 points.	, C, & D must be	met and the T	Cotal Points must
Was Quality Indicator A met? Was Quality Indicator B met?			No

Was Quality Indicator C met? Yes No Was Quality Indicator D met? Yes No

#### DOCUMENTATION AND EVIDENCE LIST

Below is a listing of items of evidence that can be used to support the program Standards. While the list is not all-inclusive, it is provided to give a sample of the items needed for the technology education program review. Not all items are applicable to every program.

#### STANDARD 1 Curriculum Planning,

Organization, and Content

Course Competencies

**Advisory Committee Minutes** 

**Interest Survey of Future Students** 

Teaching Calendar

Instructional Strategies (cooperative learning,

small group, hands-on activities,

research, etc.) and assessments (tests,

performance tasks, peer evaluation,

teacher evaluation, etc.) which integrate academic and career competencies.

Program Philosophy & Objectives

Course Descriptions

**Course Outlines** 

Lesson Objectives

**Student Portfolios** 

Locally Adapted Curriculum Crosswalk Of

Show-Me Standards

Written Articulation Agreement

#### **STANDARD 2** <u>Instructional Materials</u>

Inventory

FV-4 for TE GAP

Course Outlines

**Teaching Calendar** 

Lesson Plans

Internet Access

**Student Interviews** 

TE Activities/Projects

Student Résumés

Students' Course Evaluations

Student Notebooks/Portfolios

**CAPSTONE Projects** 

Department Budget

TSA Program of Activities

Guidance Calendar Of Activities

**Curriculum Integration Lesson Plans** 

#### **STANDARD 3** Instructional Personnel

Copy of the Core Data Report for Tech. Ed.

Organizational Membership List of the

Instructor(s)

Professional Development Plan

**Teaching Certificate** 

College Transcript

Graduate Courses in Technology Education

Record of Curriculum Meetings Attended

Standards Workshops

Internships

ITEA and/or TEAM Conference Attendance

#### **STANDARD 4** Program Enrollment

Master Class Schedule

List of Class Enrollments (include grade

level, male, female, special populations)

Student Recruitment Materials

TSA Enrollment

**School Demographics** 

Community Demographics

Guidance Needs Assessment

Student Interest Survey

List of Special Needs

#### STANDARD 5 Career and Technical

**Student Organization** 

Chapter Excellence Awards

TSA Alumni Roster

TSA Banquet or Awards Assembly Program

TSA Secretary Book

TSA Roster (official membership roster)

TSA LCDP records

Parent Groups

High School Student Handbook/Course

Description

TSA Chapter Program of Work

#### **STANDARD 6** Instructional Facilities and

**Equipment** 

Completed Safety Checklist
Statement of how equipment is used to promote Technological Literacy
District Accessibility Study
Department Budget
FV-4 TE GAP
Department Inventory

#### STANDARD 7 Safety Education and

**Practices** 

Completed Safety Checklist located at:

http://dese.mo.gov/divcareered/Resources/school\_facilities\_guide/index.html

Comprehensive safety Curriculum Safety Test on File Individual Student Files and Records Insurance Carrier Report

#### STANDARD 8 Community Support and

Involvement

TSA Program of Activities
TSA Chapter Portfolio
Record of Business and Industry
Participation
Advisory Committee
News Articles
Community Donations
Record of Local Professional Meetings
and/or Joint Activities

### STANDARD 9 Program Management and

**Planning** 

Evaluation Plan
Program changes
CSIP
Minutes/Agenda of Advisory Meeting
Advisory Committee Membership List
Advisory Committee Minutes
Annual Program Evaluations

## **PROGRAM PROFILE**

Date:	
Instructor(s):	

To consider a standard meet review the total points to meet or exceed the minimum point value and that all quality indicators required are marked yes for each individual standard. Once all the minimum points have been meet and all the quality indicators are achieved, place an X in the appropriate box.

		Standard Met	Standard Not Met*
STANDARD 1	Curriculum Planning, Organization and Content		
STANDARD 2	Instruction		
STANDARD 3	Instructional Personnel		
STANDARD 4	Program Enrollment		
STANDARD 5	Career and Technical Student Organization		
STANDARD 6	Instructional Facilities and Equipment		
STANDARD 7	Safety Education and Practices		
STANDARD 8	Community Support and Involvement		
STANDARD 9	Program Management and Planning		

<sup>\*</sup>Refer to Specific Recommendations for Improvement

# INTRODUCTION

The introduction should include such information as follows: A brief description of the program, number of students served, enrollment, and any unique information about the program.
Strengths
Summarize below the major strengths of the program. Include outstanding accomplishments of students and/or the student organization.
Outline specific recommendations for program improvement that should be implemented in order for the program to meet the minimum standards. Each standard that was found to be deficient should be identified and recommendations for improvement made.
Standard Recommendations
General Suggestions for Improvement
Outline general suggestions for overall improvement of the program.
Standard Recommendations